

11/15/03
DEC 04 2003
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Inventors: Ken C. Richardson, Larry D. Richardson
Invention: Anchor Assist, (Replacement Sheet 11/15/2003)

O/14

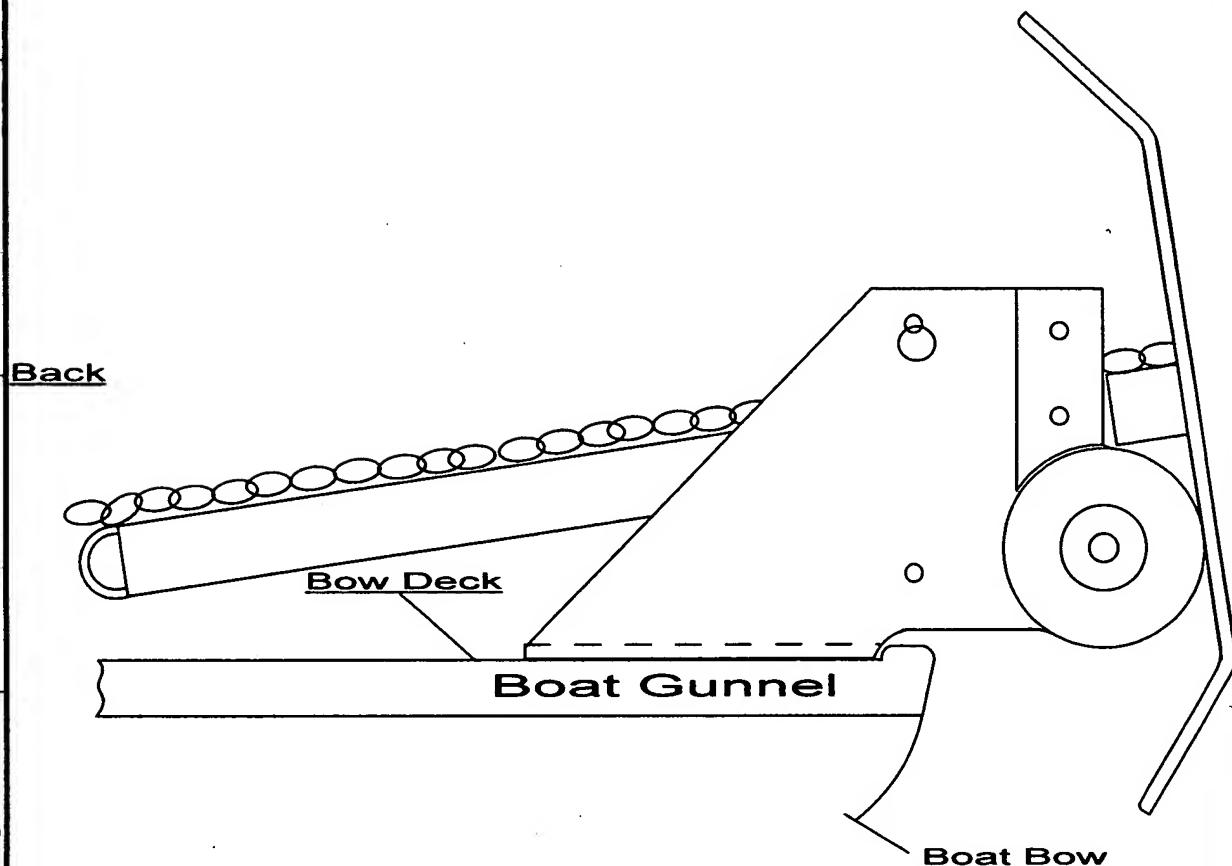


Figure 0 : Cover
Anchor Assist

Application range Suggested Cover			Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
					Material Raw part no. 5052 Aluminum, UMHW, S/S Model no.	
			Date	Name	Designation BWC- Big Water Company Anchor Assist	
			Editor	June 2002 LDR		
			Check	06/11/03		
			Stand			
Replacement	11/15/2003 LDR				Drawing number	Sheet
	06/11/03 LDR					1 of 1
	04/16/03 LDR					Sh.
Stat.	Modification	Date	Name	Origin CNC#18105. VT	Repl. f.: 06/11/03	Repl. by: 11/15/03

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 Invention: Anchor Assist, (Replacement Sheet 11/15/2003)

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Rear

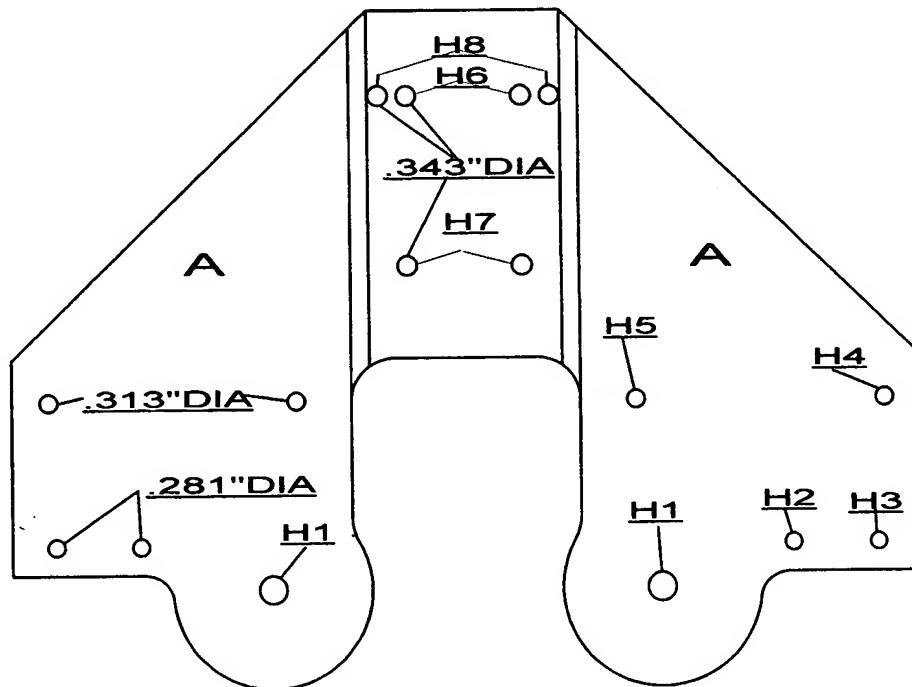


Figure 1 :
 Plan View. Flat Pattern Layout

Application range Parts Identification			Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")	
					Material Raw part no. 5052 Aluminum Model no.		
				Date	Name	Designation	
			Editor	June 2002	LDR	BWC- Big Water Company	
			Check	06/11/03		Anchor Assist	
			Stand.				
Replacement	11/15/2003R				Drawing number	Sheet	
	06/11/03LDR					1 of 2	
	04/16/03LDR					Sh.	
Stat.	Modification	Date	Nam	Origin CNC#18105, VT	Repl. f.: 06/11/03	Repl. by: 11/15/03	

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Rear

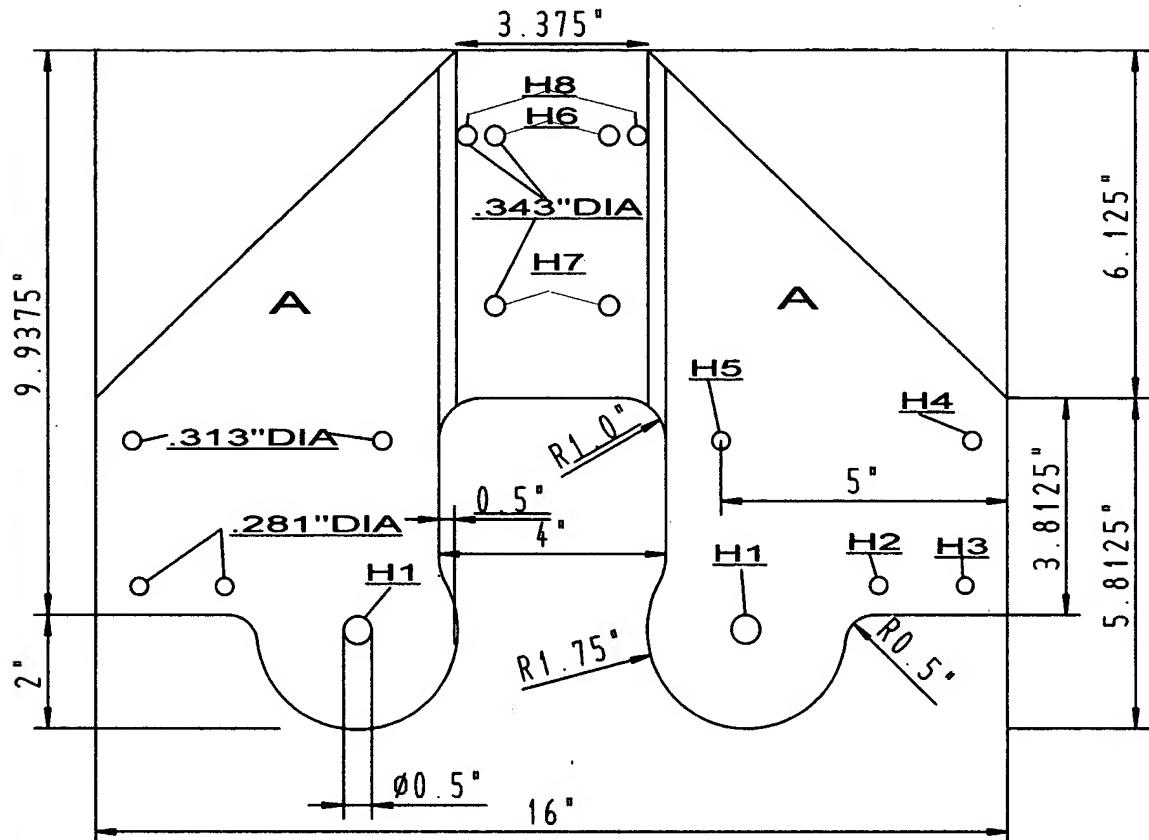
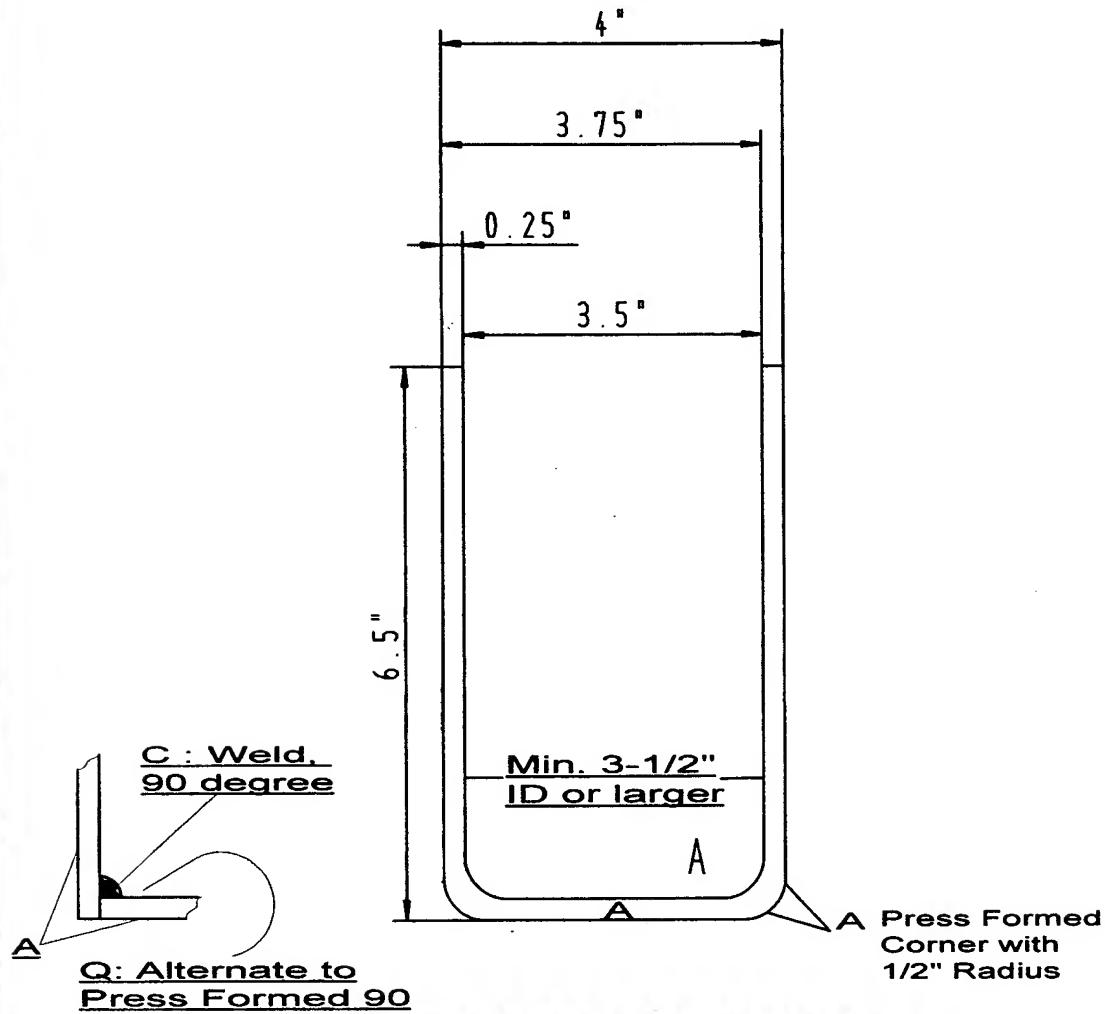


Figure 1 : With Dimensions
 Plan View. Flat Pattern Layout

Application range Parts Identification With Dimensions			Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
					Material Raw part no. 5052 Aluminum Model no.	
Editor	Date	Name			Designation	BWC- Big Water Company
Check	06/11/03					Anchor Assist
Stand.						
Replacement	11/15/2003 LDR				Drawing number	
	06/11/03 LDR					Sheet
	04/16/03 LDR					2 of 2
Stat.	Modification	Date	Origin	CNC#18105, VT	Repl. f.: 06/11/03	Repl. by: 11/15/03

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Top



**Figure 2 : With Dimensions
 Elevation View Before Addition
 of Welded Support Gusset**

Application range			Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification With Dimensions					Material Raw part no. Aluminum Model no.	
					Designation BWC- Big Water Company Anchor Assist	
			Editor June 2002LDR			
			Check 06/11/03			
			Stand.			
Replacement	11/15/2003LDR				Drawing number 10002-A	Sheet 1 of 1 Sh.
	06/11/03LDR					
	04/16/03LDR					
Stat.	Modification	Date	Name	Origin	Repl. f.: 06/11/03	Repl. by: 11/15/03

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Back

Formed
Corner
1/2"R,
@ 90

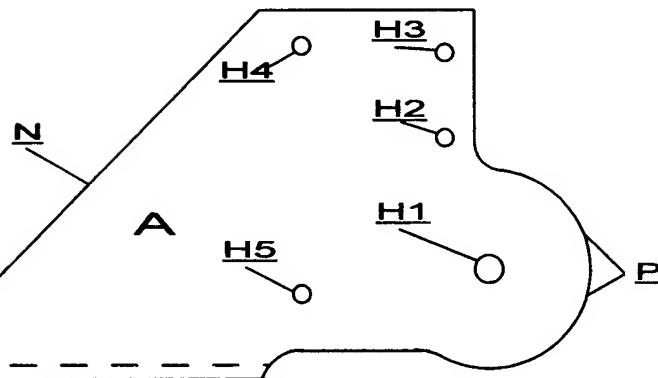


Figure 3 :
 Elevation View. Right Side

Application range Parts Identification		Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
				Material Raw part no. 5052 Aluminum Model no.	
				Designation	BWC- Big Water Company
					Anchor Assist
Replacement	11/15/2003 LDR			Drawing number	Sheet
	06/11/03 LDR				1 of 2
	04/16/03 LDR				Sh.
Stat.	Modification	Date	Name	Origin CNC#18105. VT	Repl. f.: 06/11/03
					Repl. by: 11/15/03

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 Invention: Anchor Assist, (Replacement Sheet 11/15/2003)

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A

B

Back

C

D

Formed
Corner
1/2" R.
@ 90

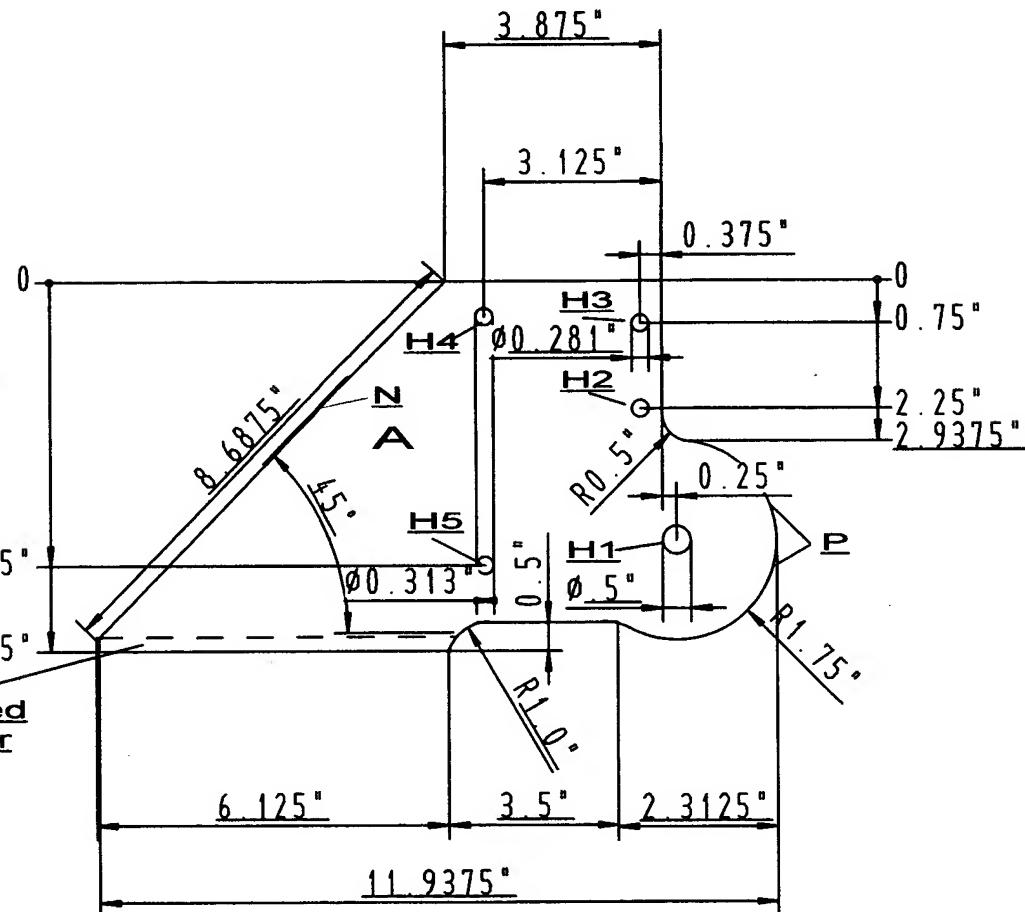


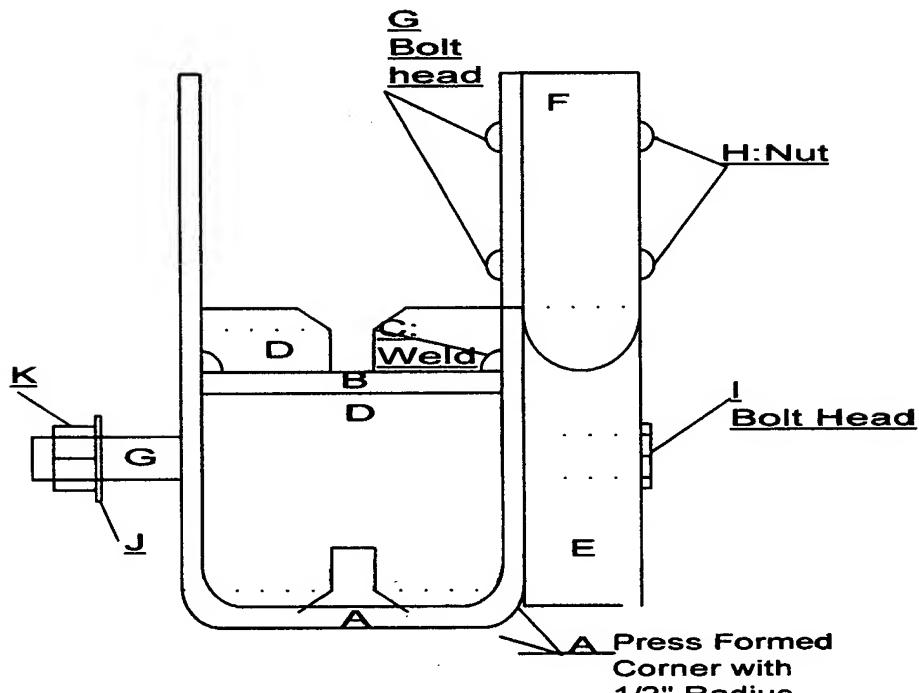
Figure 3 : With Dimensions
 Elevation View. Right Side

Application range		Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
Parts Identification With Dimensions				Material Raw part no. 5052 Aluminum Model no.	
				Designation	BWC- Big Water Company
					Anchor Assist
Replacement	11/15/2003 LDR			Drawing number	Sheet
	06/11/03 LDR				2 of 2
	04/16/03 LDR				Sh.
Stat.	Modification	Date	Name	Origin CNC#18105. VT	Repl. f.: 06/11/03
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Top



Duplicated as mirror
 on left side for parts
 E, F, G, & H

Rear View

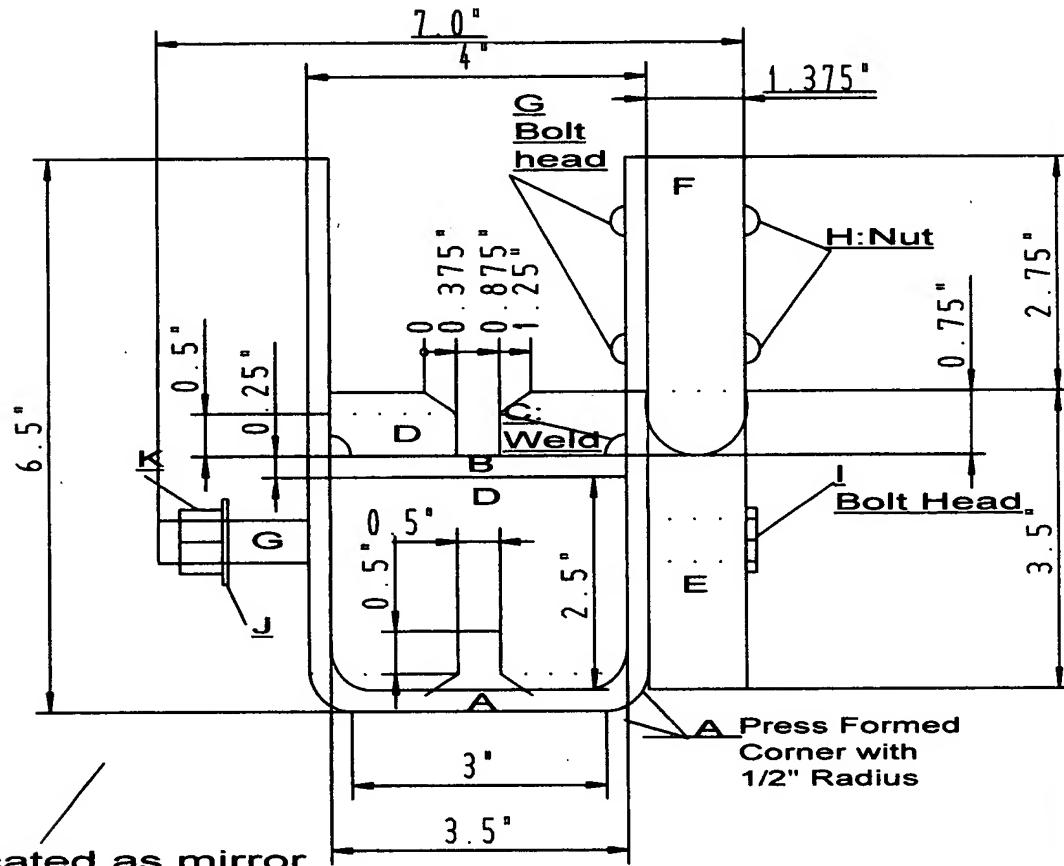
Figure 4 :
Elevation View After Addition
of Welded Support Gusset.
5"x3.5"x1/4" & UMHW Parts

Application range		Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification				Material Raw part no. Aluminum, UMHW, S/S Model no.	
			Date	Name	Designation BWC- Big Water Company Anchor Assist
		Editor	June 2002	LDR	
		Check	06/11/03		
		Stand.			Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595
Replacement	11/15/2003R			Drawing number	Sheet
	06/11/03LDR			10004-A	1 of 2
	04/16/03LDR				Sh.
Stat.	Modification	Date	Nam	Origin	Repl. f.: 06/11/03
					Repl. by: 11/15/03

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Top



Duplicated as mirror
on left side for parts

E, F, G, & H

Rear View

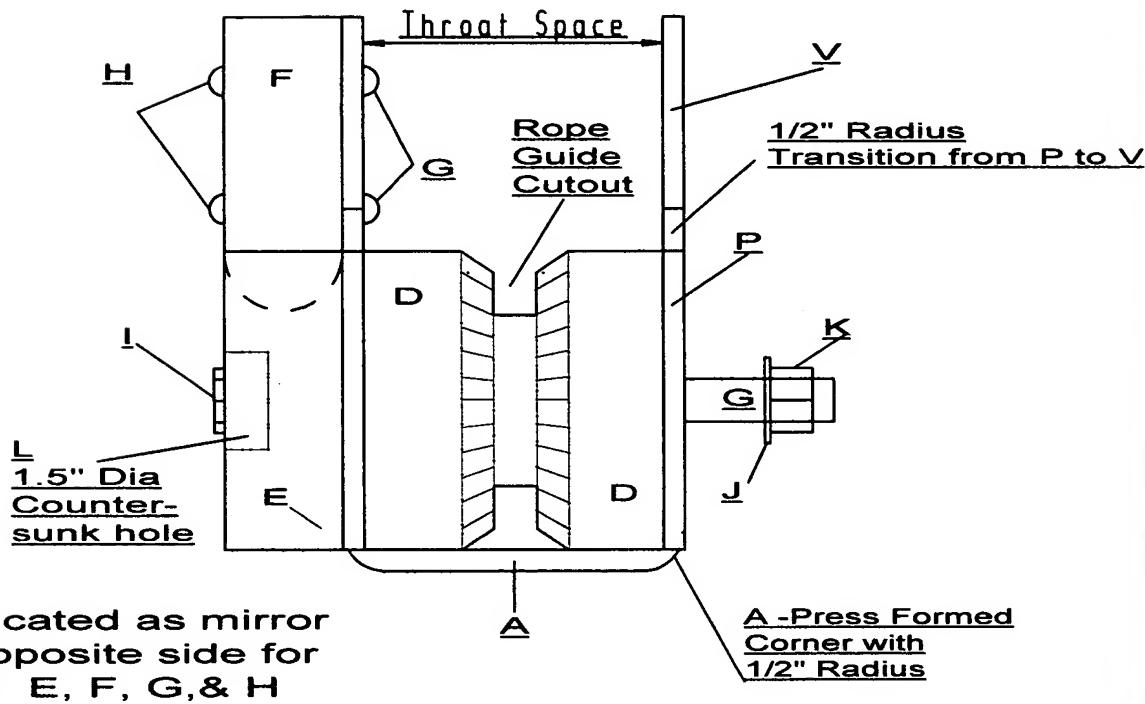
**Figure 4 : With Dimensions
Elevation View After Addition
of Welded Support Gusset.
5" x 3.5" x 1/4" & UHMW Parts**

Application range Parts Identification With Dimensions		Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"	
				Material Raw part no. Aluminum, UHMW, S/S Model no.		
			Date	Name	Designation	
			Editor	June 2002LDR	BWC- Big Water Company	
			Check	06/11/03	Anchor Assist	
			Stand.		Richardson Brothers - Ken: 503-668-1274, Lary: 503-502-0595	
Replacement	11/15/2009R			Drawing number	Sheet	
	06/11/03LDR			10004-B	2 of 2	
	04/16/03LDR				Sh.	
Stat.	Modification	Date	NaM	Origin	Repl. f.: 06/11/03	Repl. by: 11/15/03

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Top



Front View

Figure 5 :
 Elevation View After Addition
 of Center Roller 3.5" x 3.5"
 UMHW Cylinder.

Application range		Perm. tolerance		Surface		Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification						Material	
						Raw part no.	Aluminum, UMHW, S/S
						Model no.	
				Date	Name	Designation	BWC- Big Water Company
				Editor	June 2002LDR		Anchor Assist
				Check	06/11/03		
				Stand.			Richardson Brothers - Ken: 503-668-1274, Lamy: 503-502-0595
Replacement	11/15/2003LDR				Drawing number		Sheet
	06/11/03LDR						1 of 2
	04/16/03LDR						Sh.
Stat.	Modification	Date	Name	Origin	Repl. f.: 06/11/03	Repl. by: 11/15/03	

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Top

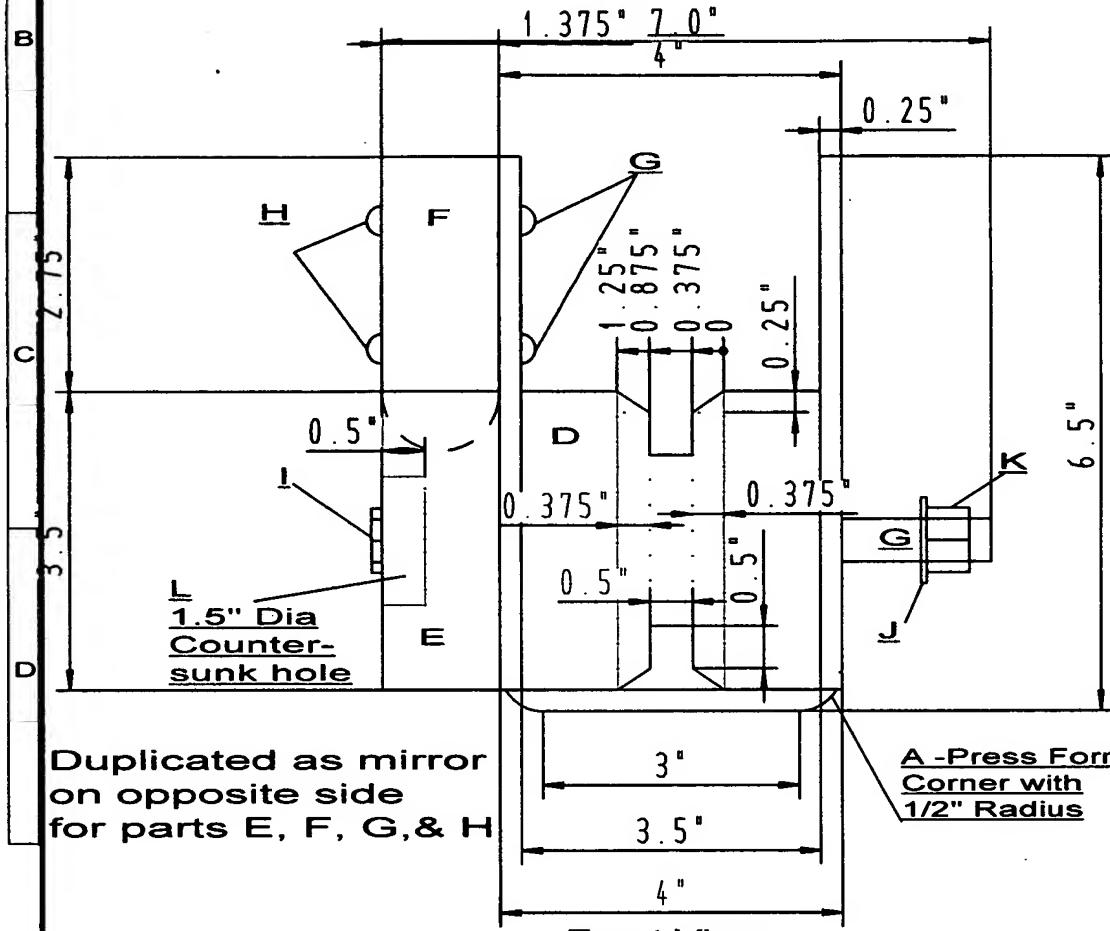


Figure 5 : With Dimensions
 Elevation View After Addition
 of Center Roller 3.5" x 3.5"
 UMHW Cylinder.

Application range		Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification With Dimensions				Material Raw part no. Aluminum, UMHW, S/S Model no.	
				Designation BWC- Big Water Company Anchor Assist	
				Richardson Brothers - Ken: 503-668-1274, Lamy: 503-502-0595	
Replacement	11/15/2003LDR			Drawing number 10005-B	Sheet 2 of 2
	06/11/03LDR				Sh.
	04/16/03LDR				
Stat.	Modification	Date	Name	Origin	Repl. f.: 06/11/03
					Repl. by: 11/15/03

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Front

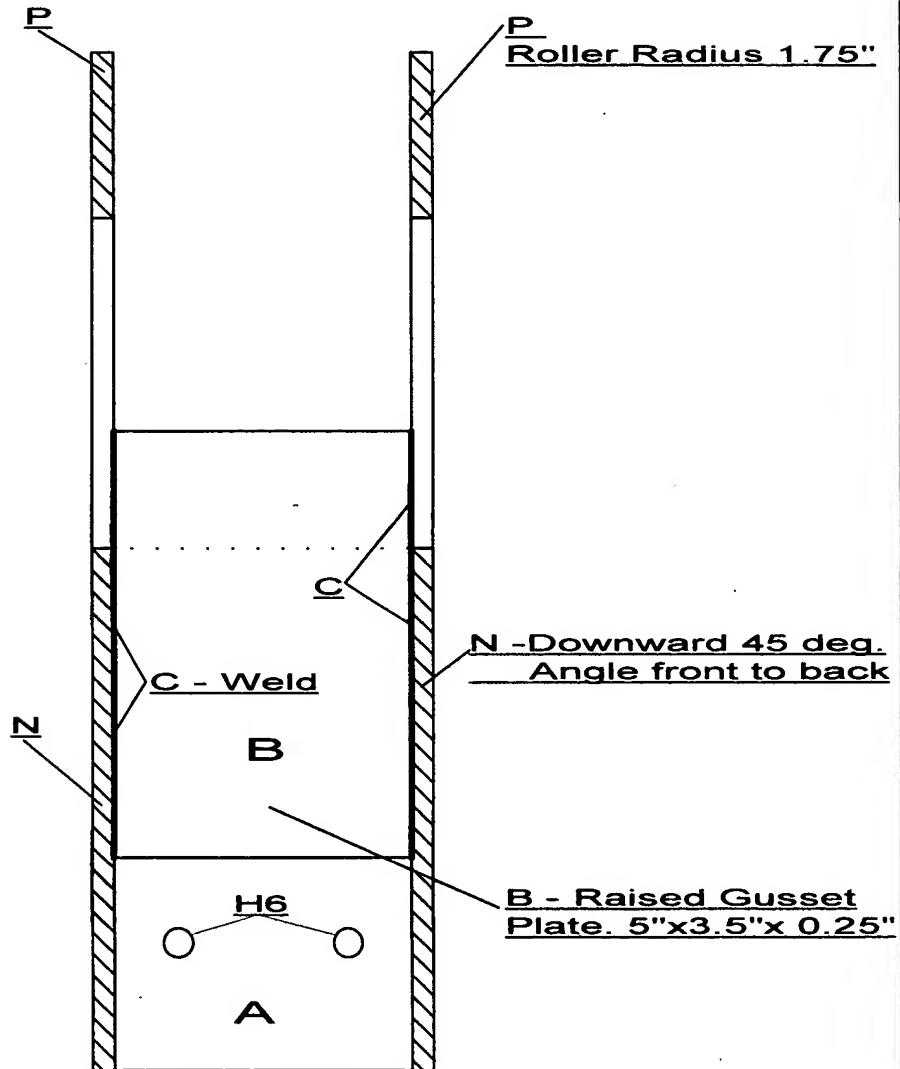


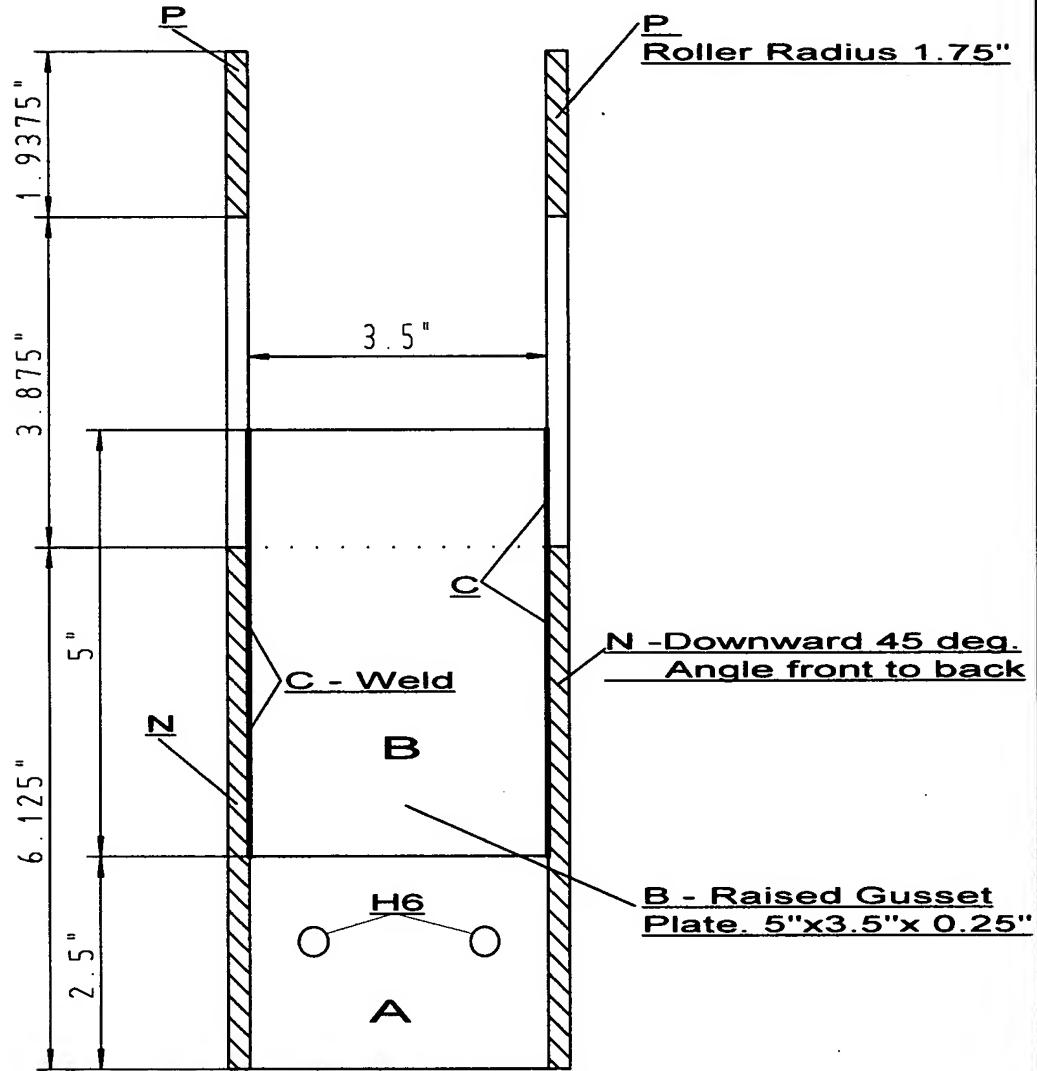
Figure 6
 Plan View - Top

Application range			Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification					Material Raw part no. Aluminum Model no.	
			Date	Name	Designation BWC- Big Water Company Anchor Assist	
			Editor	June 2002 LDR		
			Check	06/11/03		
			Stand.			
Replacement	11/15/2003 LDR				Drawing number 30006-A	Sheet 1 of 2
	06/11/03 LDR					Sh.
	04/16/03 LDR					
Stat.	Modification	Date	Name	Origin	Repl. f.: 06/11/03	Repl. by: 11/15/03

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Front



**Figure 6 : With Dimensions
Plan View - Top**

Application range Parts Identification With Dimensions		Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"		
				Material Raw part no. Aluminum Model no.			
		Date	Name	Designation BWC- Big Water Company Anchor Assist			
		Editor June 2002	LDR				
		Check 06/11/03					
		Stand.					
		Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595					
Replacement	11/15/2003			Drawing number	Sheet		
	06/11/03					30006-B	2 of 2
	04/16/03						Sh.
Stat.	Modification	Date	NaM	Origin	Repl. f.: 06/11/03	Repl. by: 11/15/03	

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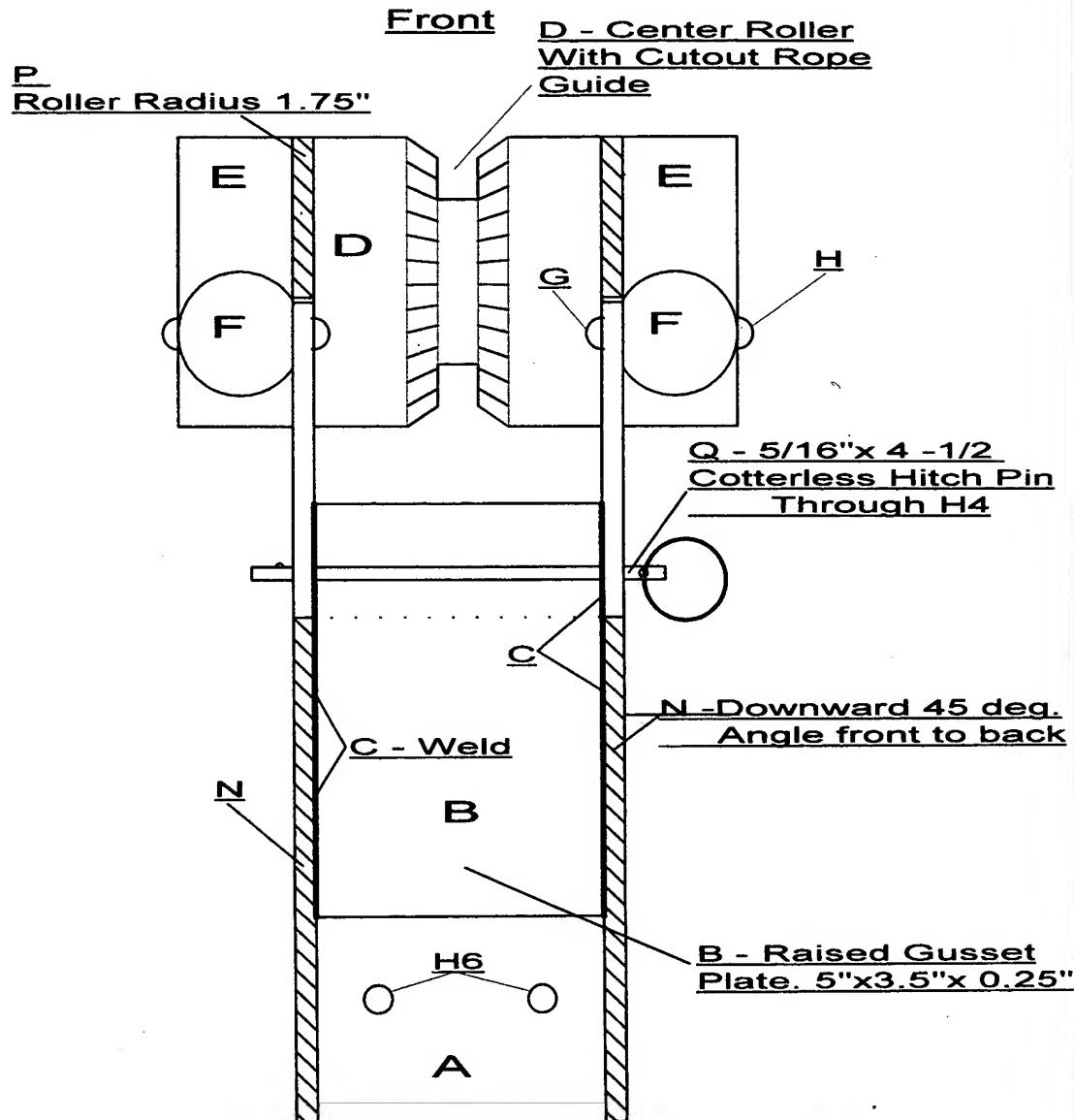


Figure 7
 Plan View - Top

Application range		Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification		Material Raw part no. Aluminum, UMHW, S/S Model no.			
		Date	Name	Designation BWC- Big Water Company Anchor Assist Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595	
		Editor	June 2002LDR		
		Check	06/11/03		
		Stand.			
Replacement	11/15/2003R				Drawing number
	06/11/03LDR				Sheet 1 of 2
	04/16/03LDR				Sh.
Stat.	Modification	Date	Name	Repl. f.: 06/11/03	Repl. by: 11/15/03
			Origin		

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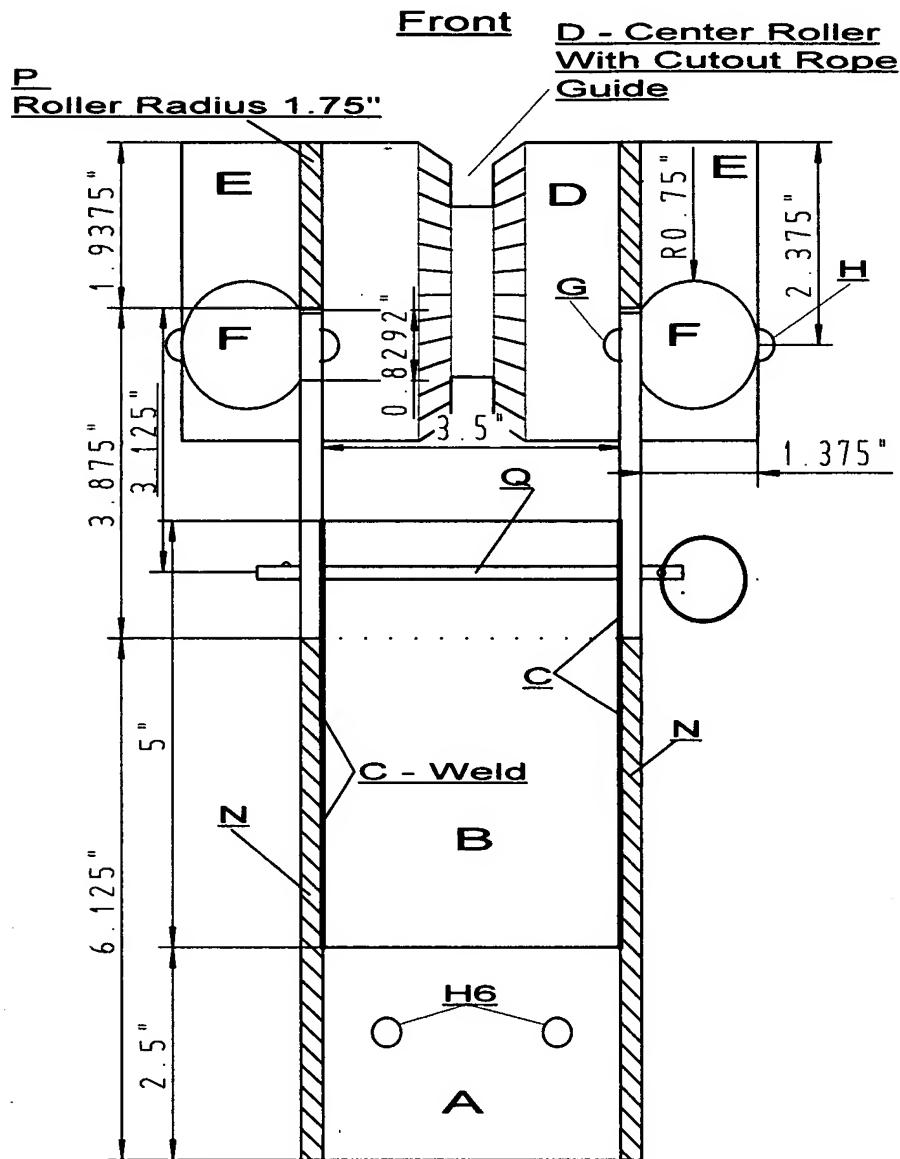


Figure 6 : With Dimensions
 Plan View - Top

Application range		Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification With Dimensions				Material Raw part no. Aluminum, UMHW, S/S Model no.	
				Designation BWC- Big Water Company Anchor Assist	
				Richardson Brothers - Ken: 503-668-1274, Lamy: 503-502-0595	
Replacement	11/15/2003LDR			Drawing number	Sheet 2 of 2
	06/11/03LDR				Sh.
	04/16/03LDR				
Stat.	Modification	Date	Name	Repl. f.: 06/11/03	Repl. by: 11/15/03
			Origin		

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Figure 8, Part E
 Side Elevation

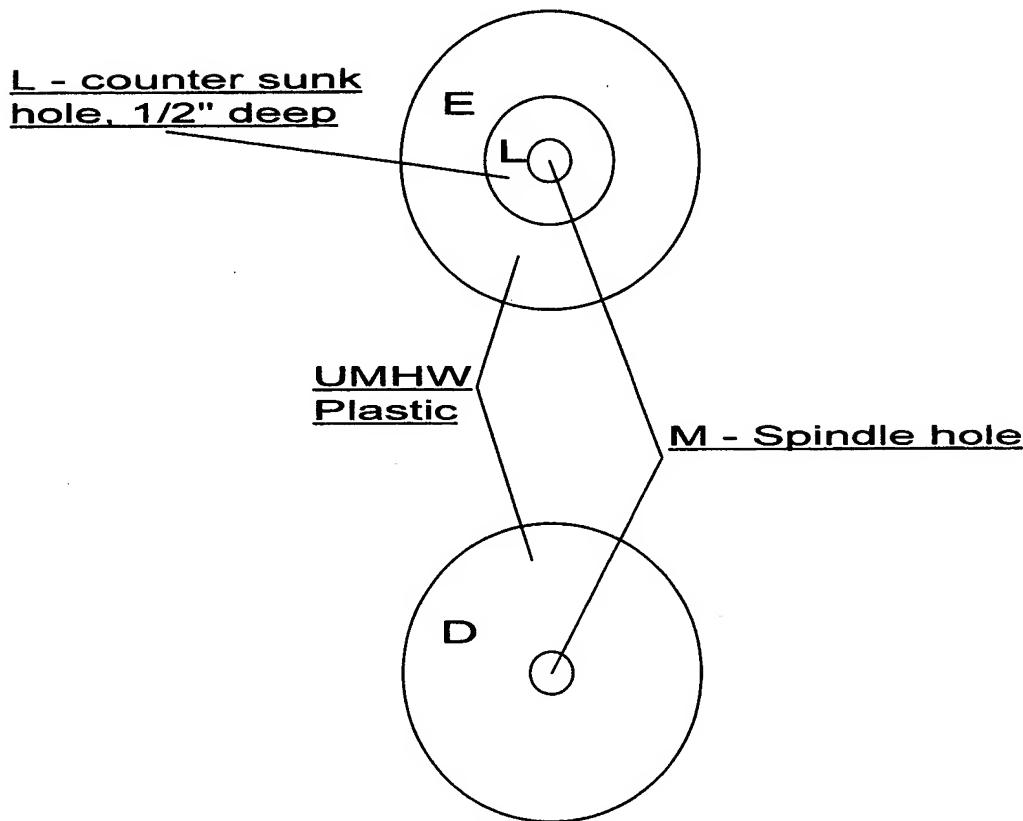


Figure 8, Part D
 Side Elevation

Figure 8 :
 Elevation Views

Application range Parts Identification			Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight 3.5"
					Material Raw part no. UMHW White Model no.	
			Date	Name	Designation BWC- Big Water Company Anchor Assist Richardson Brothers - Ken: 503-668-1274, Lamy: 503-502-0595	
			Editor	June 2002LDR		
			Check	06/11/03		
			Stand.			
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	04/16/03LDR					
Stat. Modification	Date	Name	Origin	Repl. f.: 06/11/03	Repl. by: 11/15/03	

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 Invention: Anchor Assist, (Replacement Sheet 11/15/2003)

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Figure 8, Part E
 Side Elevation

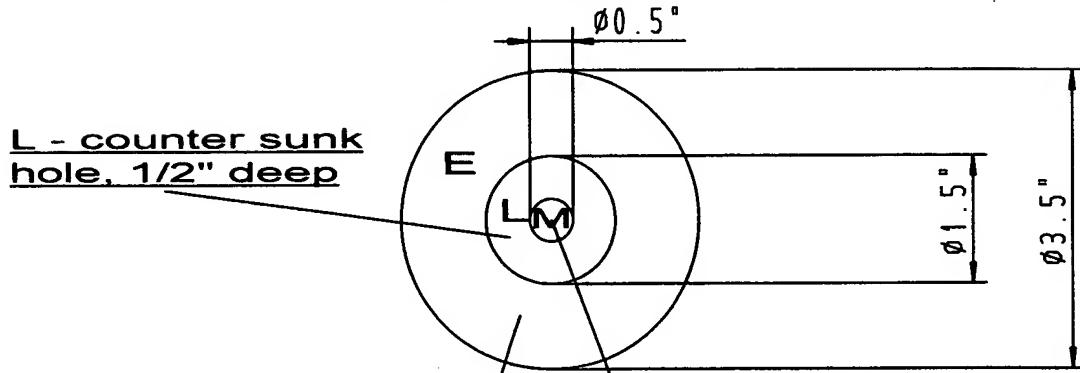


Figure 8, Part D
 Side Elevation

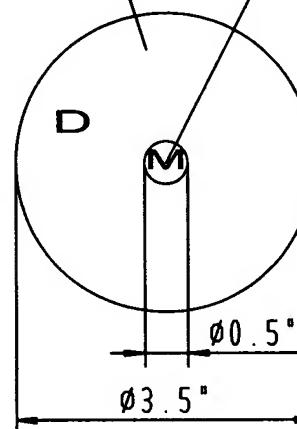


Figure 8 : With Dimensions
 Elevation Views

Application range			Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight 3.5"
Parts Identification With Dimensions					Material Raw part no. UHMW White Model no.	
					Designation BWC- Big Water Company Anchor Assist	
			Editor June 2002 LDR		Richardson Brothers - Ken: 503-668-1274, Lamy: 503-502-0595	
			Check 06/11/03			
			Stand.			
Replacement	11/15/2003 LDR					Drawing number
	06/11/03 LDR					10008-B
	04/16/03 LDR					Sheet 2 of 2
Stat.	Modification	Date	Name	Origin	Repl. f.: 06/11/03	Repl. by: 11/15/03

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A

B

Back

C

Bow Deck

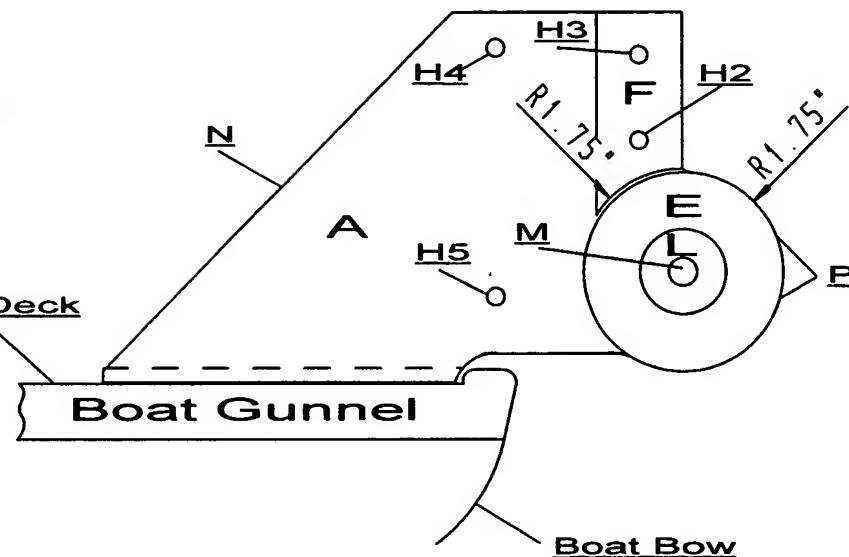


Figure 3 :
 Relationship-Upper/Lower Guide
 & Bow Mount Overhang.
 Elevation View. Right Side

Application range		Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
Parts Identification & Radius dimensioning				Material Raw part no. 5052 Aluminum, UMHW, S/S Model no.	
		Date	Name	Designation BWC- Big Water Company Anchor Assist	
		Editor	June 2002LDR		
		Check	06/11/03		
		Stand.			
Replacement	11/15/2003GR			Drawing number	Sheet 1 of 1
	06/11/03LDR			10009-A	Sh.
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Stat. Modification	Date	Name	Origin CNC#18105. VT	Repl. f.: 06/11/03	Repl. by: 11/15/03

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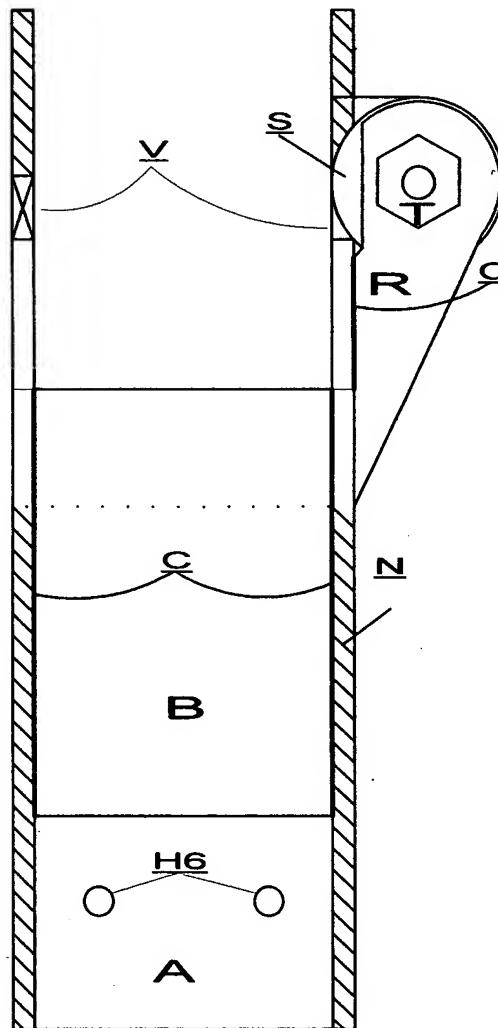


Figure 10
 Plan View

Application range		Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification				Material Raw part no. Aluminum, UMHW, S/S Model no.	
				Designation BWC- Big Water Company Anchor Assist	
				Richardson Brothers - Ken: 503-668-1274, Larry: 503-502-0595	
Replacement	11/15/2003 LDR			Drawing number	Sheet 1 of 2
	06/11/03 LDR				Sh.
	04/16/03 LDR			30010-A	
Stat.	Modification	Date	Name	Repl. f.: 06/11/03	Repl. by: 11/15/03
			Origin		

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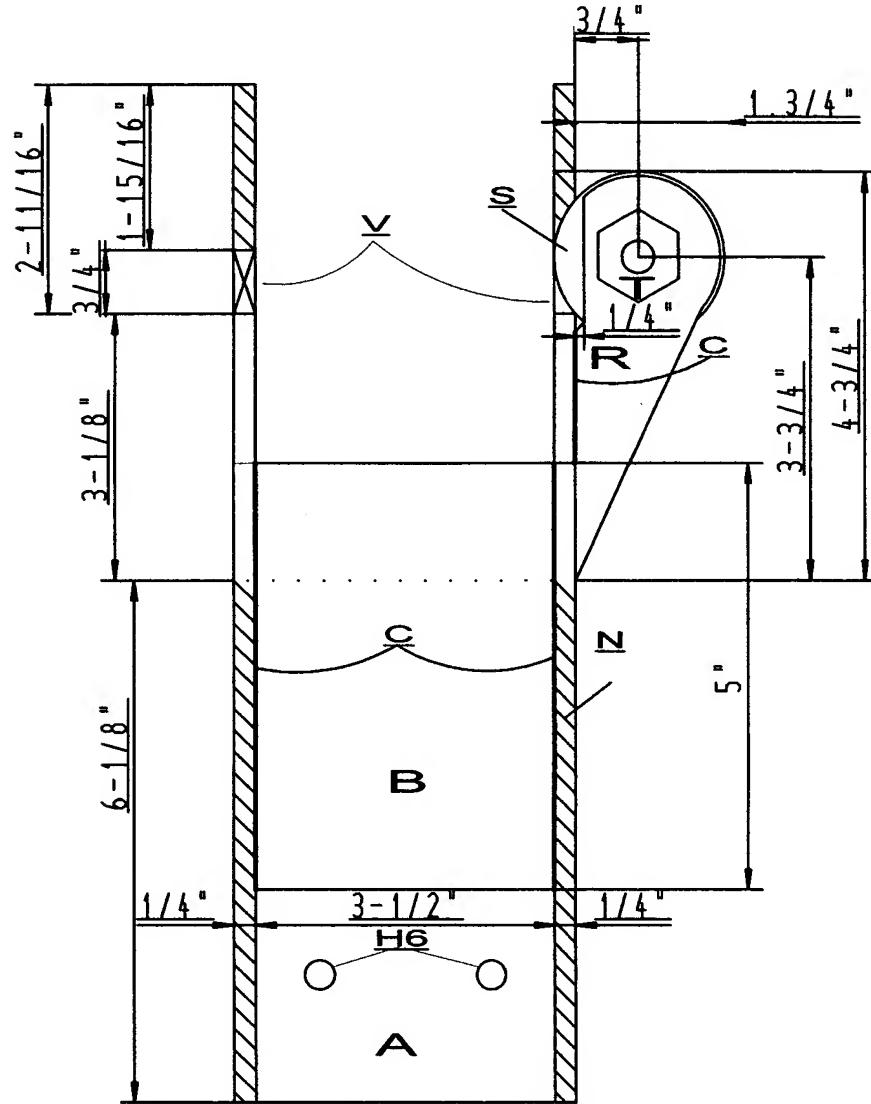


Figure 10 : With Dimensions
 Plan View

Application range		Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification With Dimensions				Material Raw part no. Aluminum, UMHW, S/S Model no.	
				Designation BWC- Big Water Company Anchor Assist	
				Richardson Brothers - Ken: 503-668-1274, Lamy: 503-502-0595	
Replacement	11/15/2003 LDR			Drawing number	Sheet 2 of 2
	06/11/03 LDR				Sh.
	04/16/03 LDR				
Stat.	Modification	Date	Name	Repl. f.: 06/11/03	Repl. by: 11/15/03
			Origin		

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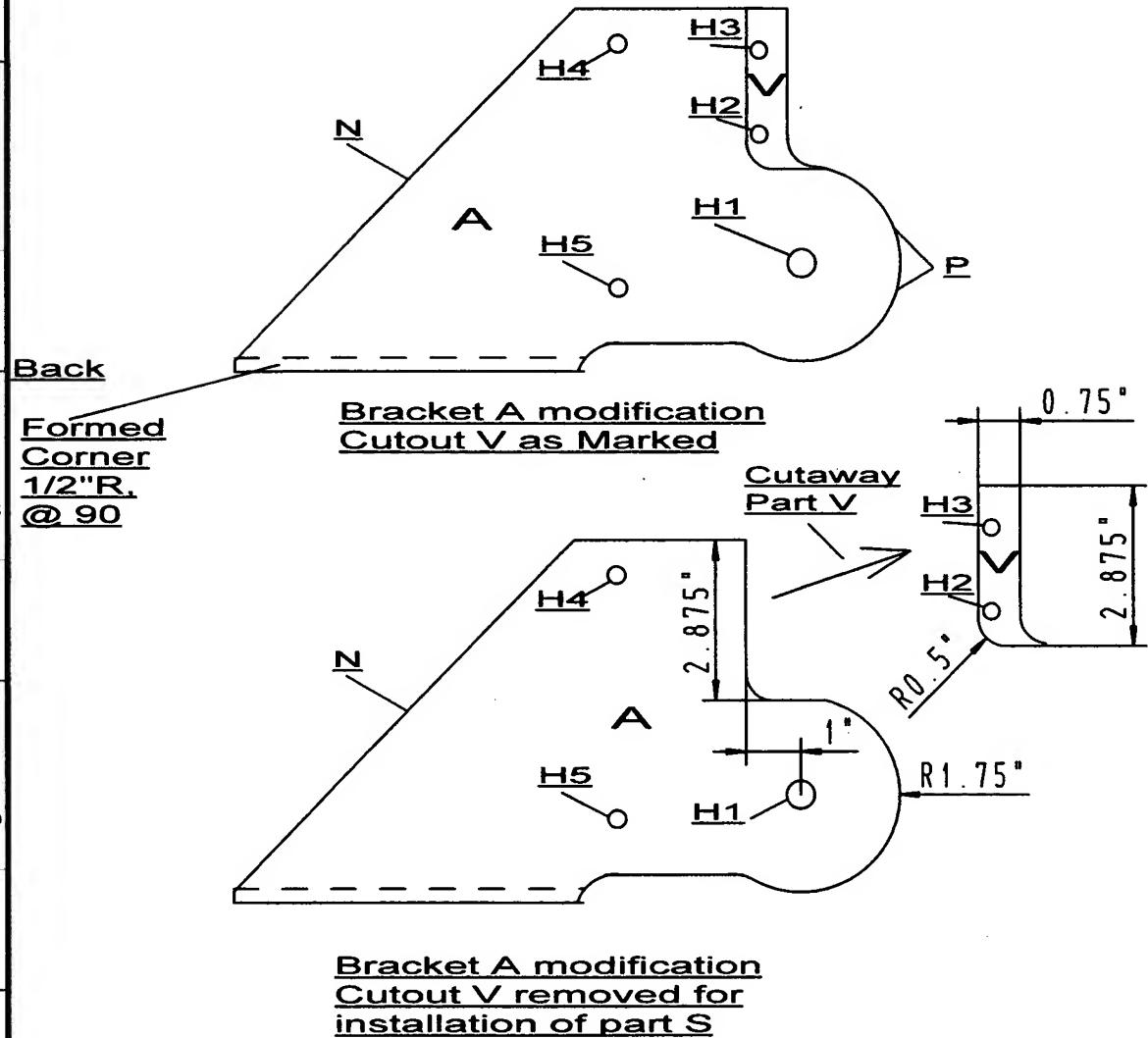
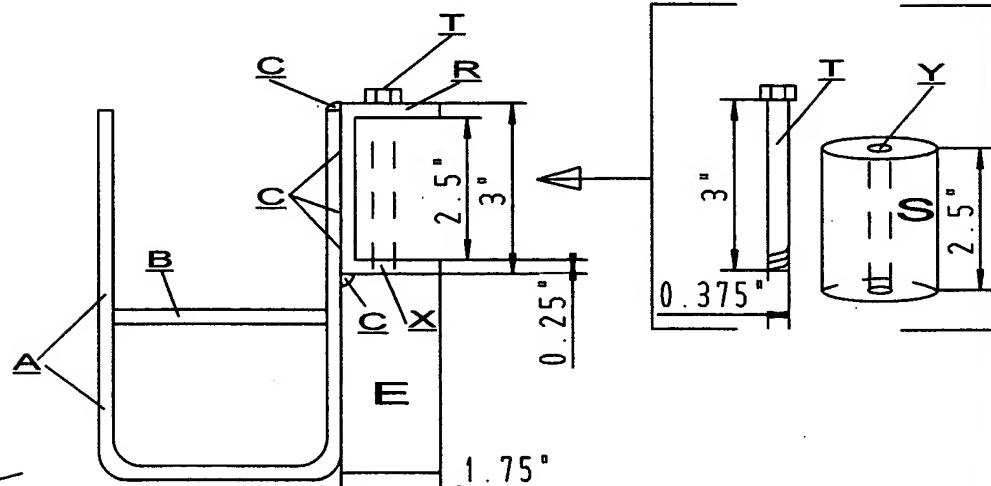


Figure 11: With Dimensions
 Elevation View. Right Side

Application range		Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
Parts Identification				Material Raw part no. 5052 Aluminum Model no.	
With Dimensions				Designation	BWC- Big Water Company
					Anchor Assist
Editor	June 2002	LDR			
Check	06/11/03				
Stand.					
Replacement	11/15/2003	R		Drawing number	
	06/11/03	LDR			Sheet
	04/16/03	LDR			1 of 1
Stat.	Modification	Date	Name	10011-A	Sh.
			Origin CNC#18105. VT	Repl. f.: 06/11/03	Repl. by: 11/15/03

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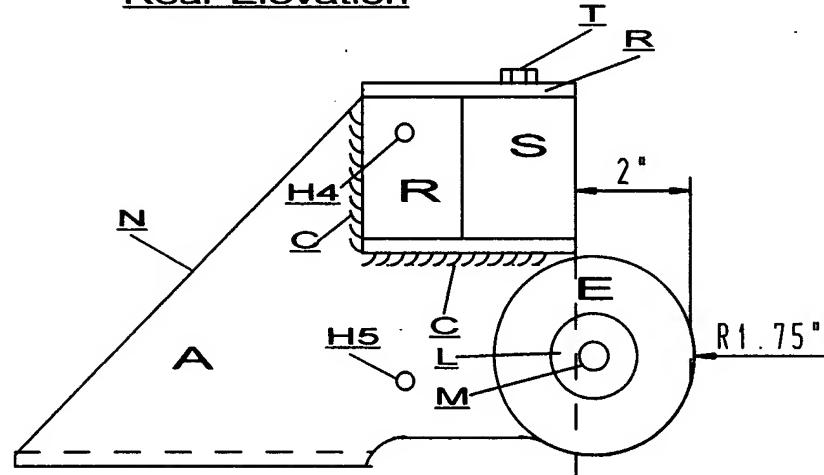
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Back

Formed
 Corner
 $1/2''R$,
 @ 90

Bracket A modification
Rear Elevation



Bracket A modification
Bracket R, Roller S
Side Elevation

Figure 12: With Dimensions
 Elevation View

Application range Parts Identification With Dimensions		Perm. tolerance	Surface	Scale (3:1) N/A USPTO Spec	Weight .25" (1/4")
				Material Raw part no. 5052 Aluminum, UHMW, S/S Model no.	
				Designation	BWC- Big Water Company
					Anchor Assist
Replacement	11/15/2003 LDR			Drawing number	Sheet
	06/11/03 LDR				1 of 1
	04/16/03 LDR				Sh.
Stat.	Modification	Date	Name	Repl. f.: 06/11/03	Repl. by: 11/15/03
			Origin CNC#18105. VT		

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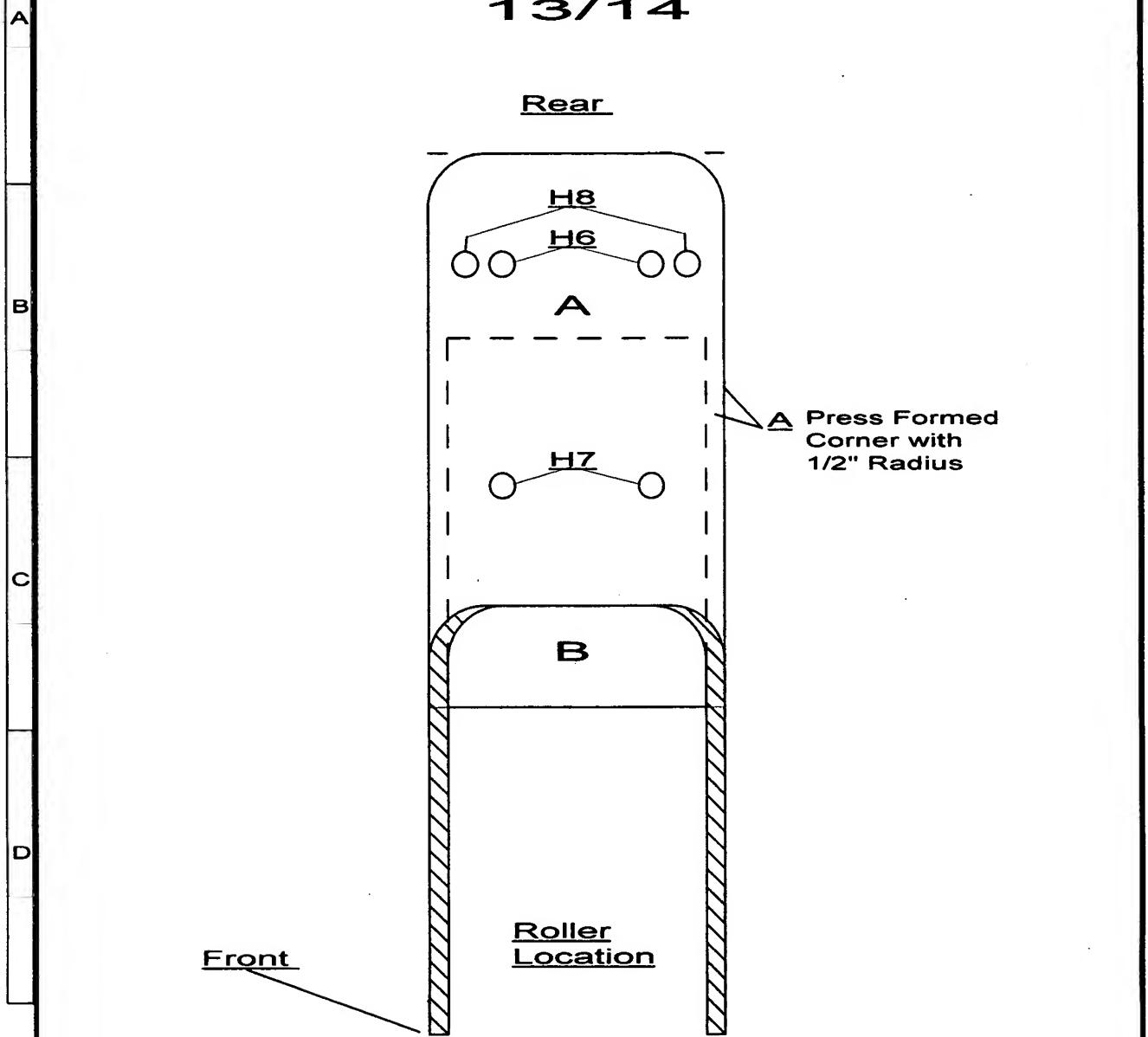


Figure 13 :
 Bottom Baseplate View

Application range Parts Identification			Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
					Material Raw part no. Aluminum Model no.	
					Designation BWC- Big Water Company Anchor Assist	
					Richardson Brothers - Ken: 503-668-1274, Lamy: 503-502-0595	
Replacement	11/15/2003LDR				Drawing number	Sheet 1 of 2
	06/11/03LDR					Sh.
	04/16/03LDR					
Stat. Modification	Date	Name	Origin		Repl. f.: 06/11/03	Repl. by: 11/15/03

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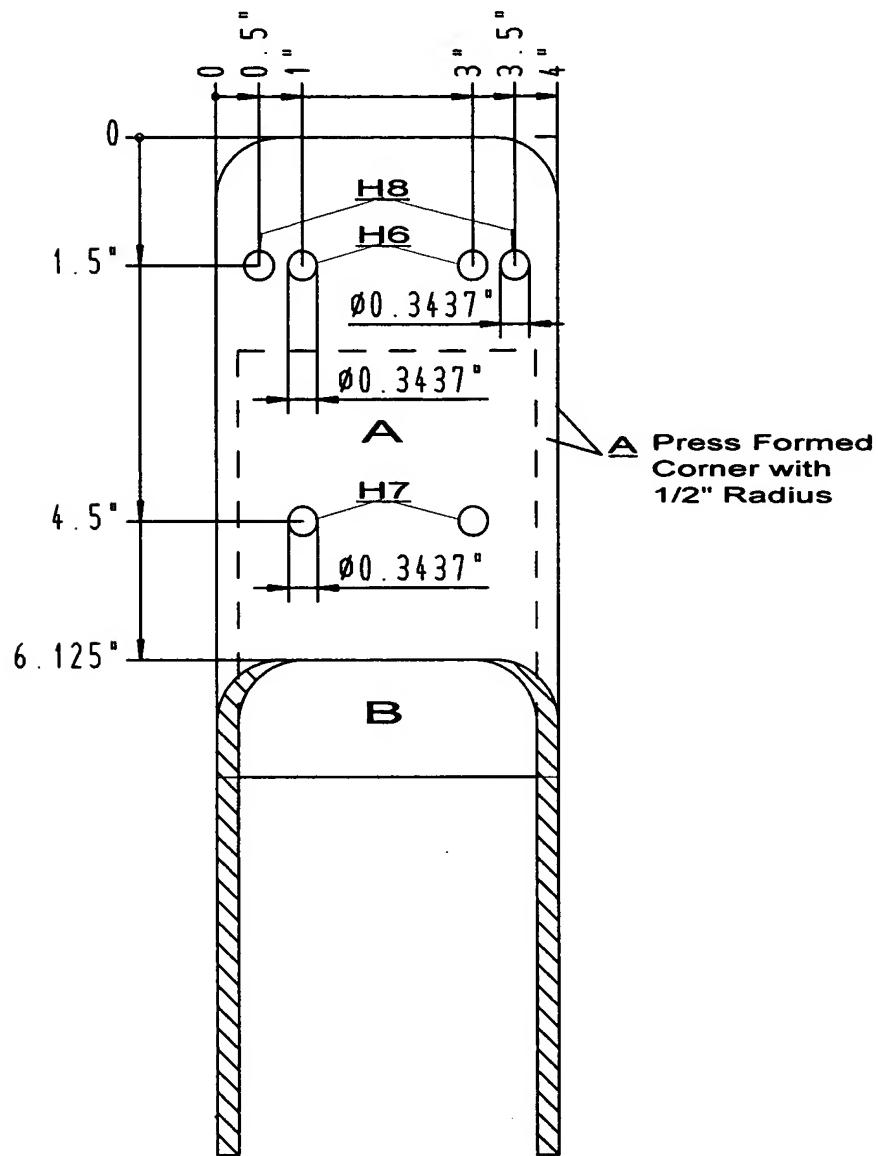


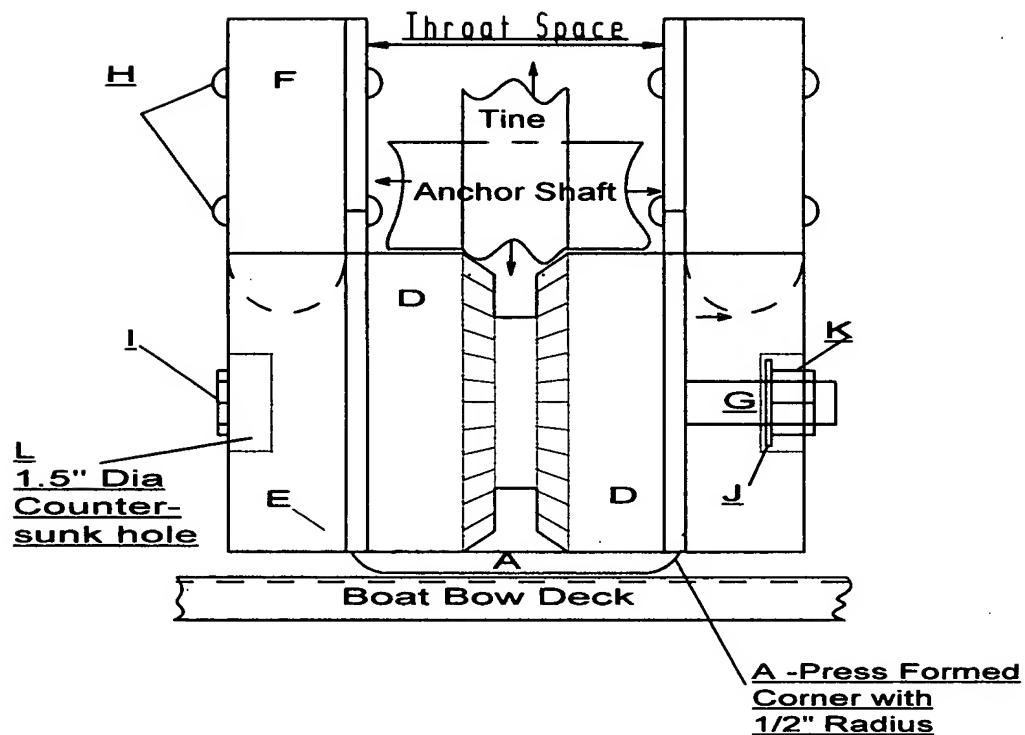
Figure 13 :
 Bottom Baseplate View

Application range		Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
Parts Identification No Dimensions				Material Raw part no. Aluminum Model no.	
				Designation BWC- Big Water Company Anchor Assist	
				Richardson Brothers - Ken: 503-668-1274, Lamy: 503-502-0595	
Replacement	11/15/2003LDR 06/11/03LDR 04/16/03LDR			Drawing number 10013-B	Sheet 2 of 2 Sh.
Stat. Modification	Date	Name	Origin	Repl. f.: 06/11/03	Repl. by: 11/15/03

Inventors: Ken C. Richardson, Larry D. Richardson
 Invention: Anchor Assist, (Replacement Sheet 11/15/2003)

14/14.

Top



Front View

Figure 14 :
 Front View Showing Boat
 Deck and Anchor relation

Application range Parts Identification			Perm. tolerance	Surface	Scale (2:1) N/A USPTO Spec	Weight .25"
					Material Raw part no. Aluminum, UMHW, S/S Model no.	
			Editor June 2002 LDR		Designation BWC- Big Water Company Anchor Assist	
			Check 06/11/03			
			Stand.			
Replacement	11/15/2003 LDR				Drawing number 10014-A	Sheet 1 of 1
	06/11/03 LDR					Sh.
	04/16/03 LDR					
Stat.	Modification	Date	Name	Origin	Repl. f.: 06/11/03	Repl. by: 11/15/03